

COLUMBIAN WORKSHOP line

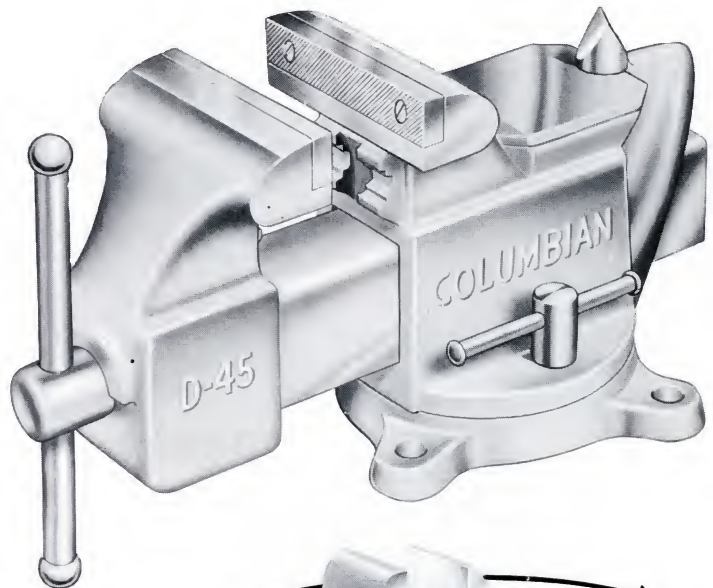
satisfies the individual preference of every user

COLUMBIAN offers America's most complete line of Workshop Vises . . . 3 different designs and types to meet the needs of every home craftsman or shop worker.

COLUMBIAN Nos. D43½ - 44 - 45 are the finest Workshop Vises built today. Made for the man who wants and appreciates the best, the channel jaw beam completely encloses the screw, eliminating possibility of damage from dirt or shavings. Rugged in appearance, finished in rich Colombian red, they have every feature anyone ever wants in his shop vise. Each vise has replaceable heat-treated steel jaw faces, permanent pipe jaws, wire cut-off tool and swivel base.

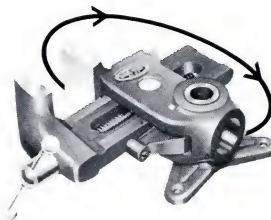


COLUMBIAN Nos. D33½ and D63½ are leaders in the big value economy field. Both have solid, extra heavy steel beams with cold-rolled steel screws. D33½ features replaceable steel jaw faces while D63½ has smooth jaw faces. Each has 3-point "Tri-Grip" permanent pipe jaws. Attractive bright red finish, with polished jaws and swivel base.

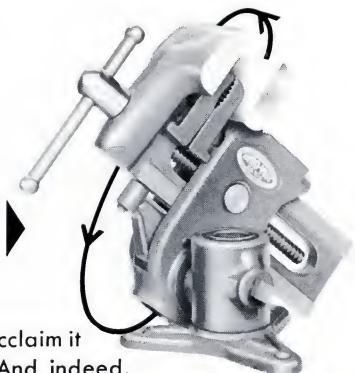


Gyro-Vise turns in complete circle in upright position . . . locks automatically when jaws are tightened.

Lays flat on either side or base . . . can be rotated to meet every need.

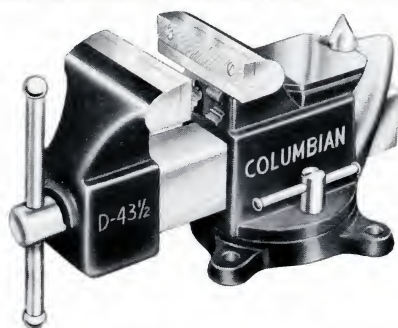


Angle Adapter permits vise movement in vertical arc . . . enables user to put vise in any position he could ever need.



COLUMBIAN Gyro-Vise users acclaim it the handiest tool they've ever owned. And, indeed, the Colombian Gyro-Vise is the most useful, most versatile vise ever made. It operates around a base on which it can be turned to any desired position. When not in use, vise can be removed from base and kept in drawer or tool chest. Additional bases can be placed in different parts of home, shop or garage and vise easily moved from job to job.

COLUMBIAN WORKSHOP VISES



Heavy-duty channel steel front jaw beam covers screw. Extra large back jaw anvil and anvil horn. Cold-rolled steel screw. Handle balls forged from handle stock. Replaceable malleable iron nut, Acme thread. Replaceable heat-treated steel jaw faces. Permanent pipe jaws, positive "Tri-Grip" design. Positive locking swivel base, slip-handle lock nut. Polished jaws and anvil, bright red finish.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.
D43½	3½	4	⅛ - 1¼	16
D44	4	5	⅛ - 2	27
D45	5	6	⅛ - 2½	38

Individual cartons. D43½ packed 6 in case.
D44 packed 3 in case. D45 packed 1 in case.

COLUMBIAN HOMESHOP VISES

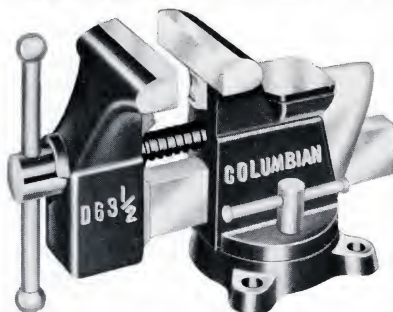


Replaceable steel jaw faces. Extra heavy steel beam. "Balanced" castings for super strength. Extra large back jaw anvil and anvil horn. Cold-rolled steel screw. Slip-proof screw collar. Handle balls forged from handle stock. 3-point "Tri-Grip" permanent pipe jaws. Positive locking swivel base, with slip-handle lock nut. Polished jaws and anvil, bright red finish.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.
D33½	3½	4	⅛ - 1¼	13

Individual cartons. 6 cartons in a case.

COLUMBIAN HOMESHOP VISES

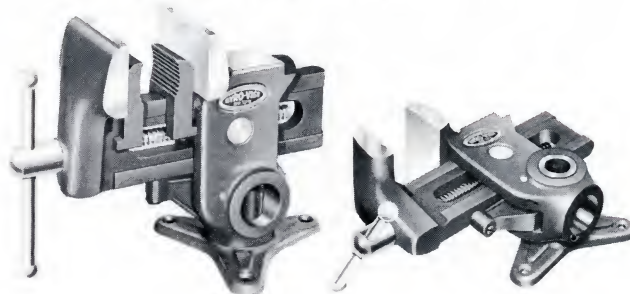


Smooth jaw faces. Extra heavy steel beam. "Balanced" castings for super strength. Extra large back jaw anvil and anvil horn. Cold-rolled steel screw. Slip-proof screw collar. Handle balls forged from handle stock. 3-point "Tri-Grip" permanent pipe jaws. Positive locking swivel base, with slip-handle lock nut. Polished jaws and anvil, bright red finish.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.
D63½	3½	4	⅛ - 1¼	13

Individual cartons. 6 cartons in a case.

COLUMBIAN GYRO-VISE

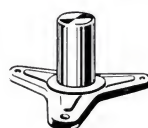


For every home or shop job. Stands upright or lays flat on either side. Rotates around base. Locks automatically in any position. Ideal for carpentry, sanding, sawing, tool sharpening, carving. Smooth, positive-grip, mar-free jaw faces.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Pipe Capacity In.	Height In.	Wt. Each Lbs.
73½	3½	2½	5	⅛-1½	8½	16½

Individual cartons. 6 cartons in a case.

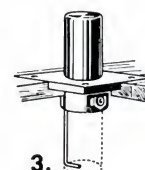
GYRO-VISE ATTACHMENTS



1.



2.



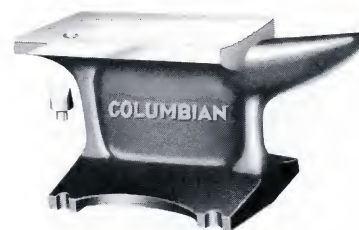
3.



4.

1. Standard Base around which Gyro-Vise rotates. Additional bases can be placed in different locations and vise moved from job to job. Weight, 1¾ lbs.
2. Angle Adapter permits operation of Gyro-Vise in a vertical arc. Weight, 2¼ lbs.
3. Flush Base for applications where it is desirable to keep working surface free of obstacles. Wt., 4¾ lbs.
4. Replaceable pipe jaws. Weight (set of 2), 1 lb.

COLUMBIAN "KROMIRON" BENCH ANVIL

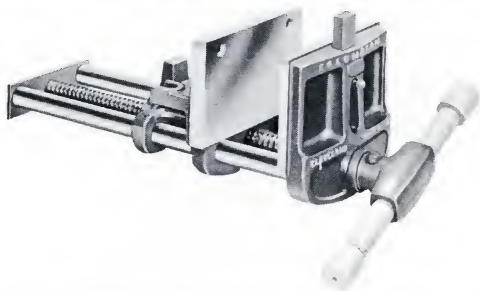


Made of shock-resisting "Kromiron" castings. Broad, tough face. Equipped with steel cut-off tool. Ideal for many jobs.

Anvil No.	Face In.	Horn In.	Base In.	Wt. Each Lbs.
9A	3 x 6	3	4 x 5½	9

Individual cartons. 6 cartons in a case.

COLUMBIAN RAPID ACTING CONTINUOUS SCREW WOODWORKERS' VISES

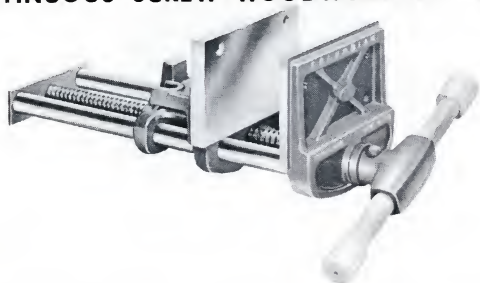


For use where changes in jaw openings must be made frequently and fast. Clockwise operation engages "Power-Slide" mechanism with continuous thread screw for unrestricted inward motion and holding power. Counter-clockwise operation disengages mechanism for "fast sliding" adjustment of jaw opening. Hardwood handles standard. Tubular steel handles, optional at no extra cost. Vises furnished with dog type front jaw for use with bench stops — or plain. Illustration shows dog raised.

Vise No.	Jaw Size In.	Jaw Opening In.	Jaw Style	Handle Type	Wt. Each Lbs.
7RPW	4 x 7	9	Plain	Wood	26
7RPT	4 x 7	9	Plain	Steel	27
7RDW	4 x 7	9	Dog	Wood	27
7RDT	4 x 7	9	Dog	Steel	28
10RPW	4 x 10	12	Plain	Wood	32
10RPT	4 x 10	12	Plain	Steel	33
10RDW	4 x 10	12	Dog	Wood	33
10RDT	4 x 10	12	Dog	Steel	34

One in a carton.

COLUMBIAN SOLID NUT CONTINUOUS SCREW WOODWORKERS' VISES

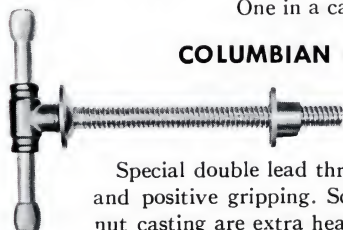


For general industrial and school woodworking. Heavy steel screw with double lead, fast running thread provides maximum operating speed. Solid nut assures long, repair-free life. Hardwood handles standard. Tubular steel handles, optional at no extra cost. Vises furnished with dog type front jaw for use with bench stops — or plain. Illustration shows plain jaw.

Vise No.	Jaw Size In.	Jaw Opening In.	Jaw Style	Handle Type	Wt. Each Lbs.
7CPW	4 x 7	9	Plain	Wood	26
7CPT	4 x 7	9	Plain	Steel	27
7CDW	4 x 7	9	Dog	Wood	27
7CDT	4 x 7	9	Dog	Steel	28
10CPW	4 x 10	12	Plain	Wood	32
10CPT	4 x 10	12	Plain	Steel	33
10CDW	4 x 10	12	Dog	Wood	33
10CDT	4 x 10	12	Dog	Steel	34

One in a carton.

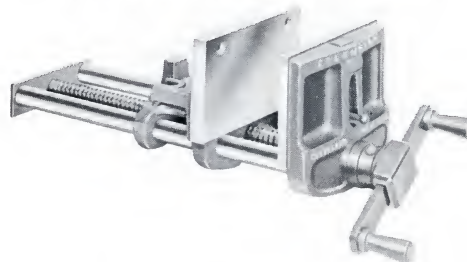
COLUMBIAN BENCH SCREWS



Special double lead thread provides maximum speed and positive gripping. Screw head thrust washer and nut casting are extra heavy. Hardwood handle.

Diameter In.	Length In.	Wt. Per Doz., Lbs.
1	16	65
1 1/8	16	80
1 1/4	17	90

COLUMBIAN SOLID NUT CONTINUOUS SCREW WOODWORKERS' VISES WITH ADJUSTABLE STEEL HANDLES



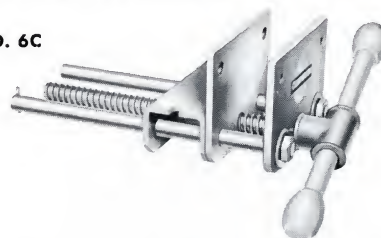
Adjustable steel handle greatly increases operating speed. Handle is held in desired position by tension spring in head. With handle centered, speed comparable to a rapid-acting vise is possible. Extension of handle gives leverage to tighten vise. Dog type front jaw.

Vise No.	Jaw Size In.	Jaw Opening In.	Jaw Style	Wt. Each Lbs.
7CDS	4 x 7	9	Dog	27
10CDS	4 x 10	12	Dog	33

One in a carton.

COLUMBIAN WOODCRAFT VISE

NO. 6C



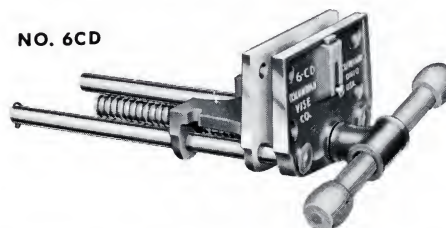
Perfect for homeshop. Fabricated steel jaws. Machine cut screw insures positive free action. Hardwood handle. Holes for attaching wood faces. Fits bench up to 2 1/4 inches.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.
6C	3 x 6	7	10

One in a carton.

COLUMBIAN WOODCRAFT VISE

NO. 6CD

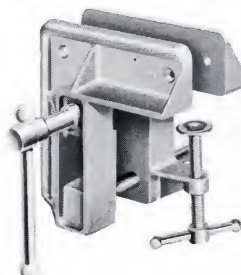


Strong cast iron jaws. Ideal for homeshop. Adjustable dog in front jaw for use with bench stops. Machine cut screw insures positive free action. Hardwood handle. Holes for attaching wood faces. Fits bench up to 2 1/4 inches.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.
6CD	3 x 6	7	10

One in a carton.

COLUMBIAN CARPENTER'S VISE



Clamps on anything, including 2 1/4 inch bench. Cast aluminum alloy jaws open 3 1/2 inches to hold 2 x 4. Tool steel feed screws and guide pin. Easily carried in carpenter's kit. Smooth jaw faces. Drilled for wood faces.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.
1655	5 x 5	3 1/2	2 3/4

One in a box. 6 to a carton.

COLUMBIAN STATIONARY BASE MACHINISTS' VISES

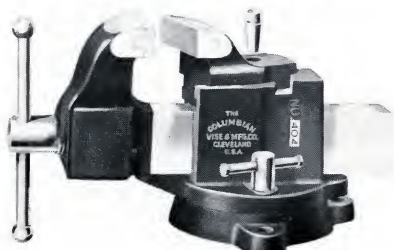


Most popular vise for general use. Flat machined base makes it unnecessary to cut into bench for installation. Malleable iron castings guaranteed unbreakable. Steel handle balls forged from handle stock, cannot come loose. Self-lubricating graphite-bronze bearing provides easy, positive operation; prevents wear, eliminates end play. Hardened tool steel jaw faces cover entire gripping surface, cannot become loose, yet are easily replaceable. No holes or screw heads in working face.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.
503	3	4	20
503½	3½	5	29
504	4	6	36
504½	4½	7	47
505	5	8	58
506	6	10	90
508	8	12	150

One in a carton

COLUMBIAN ADJUSTABLE JAW SWIVEL BASE VISES

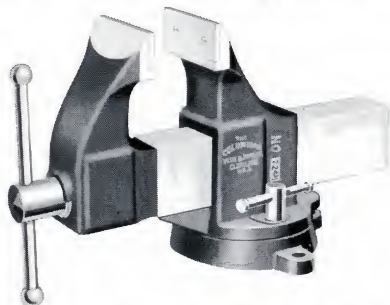


Ideal for wide range of work. Indispensable in tool room or shop. With pin in place, swivel back jaw is locked rigidly for use as parallel jaw vise. Removal of pin permits adjustment of back jaw to firm grip on irregular or tapering pieces. Malleable iron unbreakable castings. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearings. Hardened tool steel replaceable jaw faces. Sizes larger than 5 inches have 2 swivel clamping nuts.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.
403½	3½	5	35
404½	4½	6	57
406	6	9	120

One in a carton

COLUMBIAN SHEET METAL WORKERS' VISE



Specially designed for sheet metal work, wood working and body work. High tapering jaws with extra deep smooth faces. Malleable iron unbreakable castings. Replaceable steel jaw faces.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.
224½	4½	9	60

One in a carton

COLUMBIAN SWIVEL BASE MACHINISTS' VISES



Effective swivel base allows vise to be swung freely and locked in any desired position. Steel clamping nut operates forged steel bolt with teeth that mesh into gear-like corrugations in base plate to form positive lock. Position of work can be shifted and it can be held at different angles without removal from vise. Malleable iron unbreakable castings. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearing. Hardened tool steel replaceable jaw faces. Sizes larger than 5 inches have 2 swivel clamping nuts.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.
603	3	4	25
603½	3½	5	34
604	4	6	42
604½	4½	7	55
605	5	8	70
606	6	10	106
608	8	12	170

One in a carton

COLUMBIAN COMBINATION PIPE SWIVEL BASE VISES

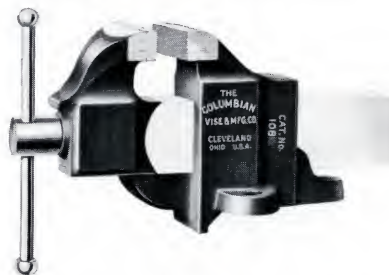


Tool steel pipe jaws heat treated to insure hardness and strength. 3 jaws are interchangeable; each has 2 working faces. Special pipe jaw design makes possible holding pipe down to 1/8 inch. Pipe jaws do not protrude beyond jaw faces. Other work can be held without removing pipe jaws. Malleable iron unbreakable castings. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearing.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.
203½	3½	4	1/8 - 2½	36
204½	4½	5	1/8 - 3½	60
205	5	6	1/8 - 4½	95
206	6	10	1/8 - 6	165

One in a carton

COLUMBIAN HEAVY CHIPPING VISE



Ideal for use wherever mass weight is of primary importance. Kromiron castings provide increased tensile strength and maximum shock resistance.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.
108	8	12	268

One in a carton

COLUMBIAN HYDRAULIC VISES



Vise controlled by 2 foot pedals — one for power — other for release. Stop control adjustable so vise grips and holds with a single power stroke. Operator's hands free for essential work. Vise closing speed $1\frac{1}{4}$ inches per pump stroke. Jaws close without damaging "held" object. Full opening in 4 seconds. Maximum hydraulic pressure 7,000 P.S.I. Maximum jaw pressure 4,000 lbs. Safety valve protects against overloading. Unbreakable malleable iron vise castings. Replaceable tool steel jaw faces. Completely enclosed hydraulic mechanism operates moving front jaw.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Wt. Each Lbs.
1004-B	4	$3\frac{3}{8}$	6	110

One in a carton

COLUMBIAN HYDRAULIC POWER PUMP

For use with any equipment requiring precision control. Single valve cartridge can be removed and replaced as a unit, eliminating greatest maintenance problem. Cartridge includes main check valve, release valve and by-pass relief valve. Pump is 2-stage, dual piston type. At low pressures, both pistons operate and produce 1 cubic inch per stroke. At high pressures, 1 piston works, producing volume of .1553 cubic inches per stroke. Total potential pump discharge 50 cubic inches. Maximum hydraulic pressure 7,000 P.S.I. Hose length 43 inches and fits $\frac{1}{4}$ inch tapered pipe.

Pump No.	Length In.	Width In.	Height In.	Wt. Each Lbs.
1004-50B	$16\frac{3}{8}$	$6\frac{1}{2}$	11	50

One in a carton

COLUMBIAN DRILL PRESS AND MILLING MACHINE VISES

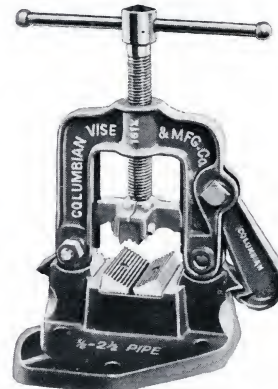


Eliminate need for special and expensive jigs and fixtures. Provide maximum clamping and holding power. Choice of plain or steel jaw faces. Acme-threaded, cold-rolled steel screw. Swivel crank handle drops out of way. 4 keyslots provide precision mounting. All parts replaceable and interchangeable.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Jaw Style	Screw Diam. In.	Wt. Each Lb.
1513 $\frac{1}{2}$	$3\frac{1}{2}$	$1\frac{7}{8}$	$4\frac{1}{2}$	Plain	$\frac{3}{4}$	17 $\frac{1}{2}$
1523 $\frac{1}{2}$	$3\frac{1}{2}$	$1\frac{7}{8}$	$3\frac{3}{4}$	Steel	$\frac{3}{4}$	19
1515	5	2	$6\frac{7}{8}$	Plain	$\frac{7}{8}$	29 $\frac{1}{2}$
1525	5	2	6	Steel	$\frac{7}{8}$	32

One in a carton.

COLUMBIAN "LONG JAW" HINGED PIPE VISES

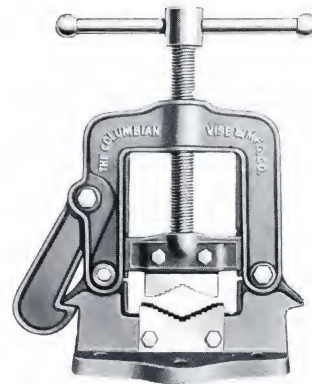


Hold pipe, conduit and thin wall tubing firmly without bending. Long-bearing heat-treated tool steel jaws prevent crushing and scoring. Lower pipe jaws, milled on both sides for double life, are securely fastened from top and reversed without removing vise from bench. Handy bender for small pipe, conduit, tubing.

Vise No.	Pipe Capacity In.	Wt. Each Lbs.
160	$\frac{1}{8}$ - 2	8
161	$\frac{1}{8}$ - $2\frac{1}{2}$	11
162	$\frac{1}{8}$ - $3\frac{1}{2}$	17
163	$\frac{1}{8}$ - $4\frac{1}{2}$	26

One in a carton

COLUMBIAN "INTERLOCKING JAW" HINGED PIPE VISES



Replaceable tool steel pipe jaws, accurately milled and heat-treated for positive gripping and maximum life. Heavy-duty sizes have extra strength required for holding large-diameter work.

Vise No.	Pipe Capacity In.	Wt. Each Lbs.
16X	$\frac{1}{8}$ - $1\frac{1}{2}$	5
Heavy Duty		
164X	$\frac{1}{8}$ - 6	37
165X	1 - 8	81
166X	$1\frac{1}{2}$ - 12	163

One in a carton

COLUMBIAN COPPER JAW CAPS

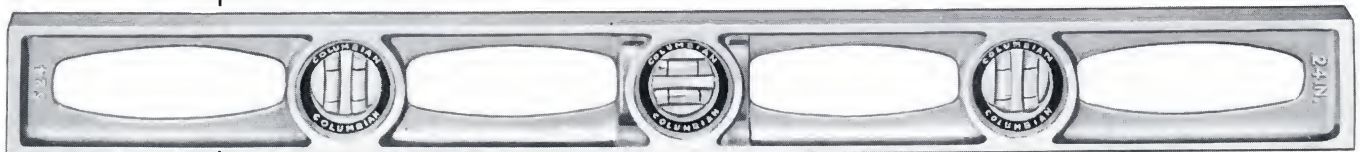


Fit snugly over jaws and cover knurled steel faces to prevent marring of soft materials. Easily installed and removed.

Jaw Width, In.	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6
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COLUMBIAN LEVELS

46 different sizes and types to match any requirement



5 ALUMINUM LEVELS . . . 18-24-28" lengths.



7 MAGNESIUM LEVELS . . . 24-28-30-48-72-78-96" lengths.



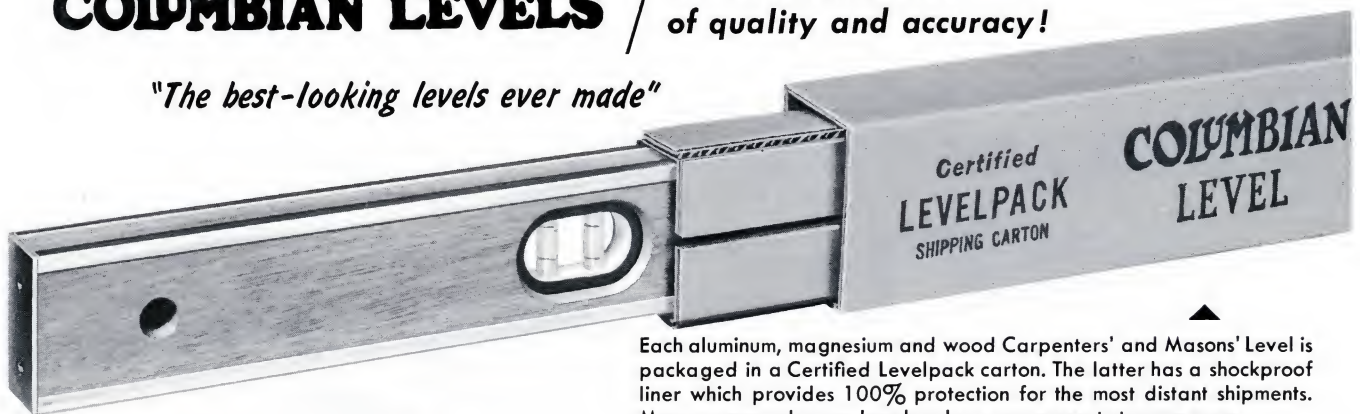
28 WOOD LEVELS . . . 12-18-24-28-30-48" lengths.

Also—3 torpedo levels . . . 2 line and surface levels . . . 1 pocket level

COLUMBIAN LEVELS

*set new standards
of quality and accuracy!*

"The best-looking levels ever made"



Each aluminum, magnesium and wood Carpenters' and Masons' Level is packaged in a Certified Levelpack carton. The latter has a shockproof liner which provides 100% protection for the most distant shipments. Many owners also use Levelpacks as permanent storage cases.



Metallic-Sealed Vials assure maximum accuracy, longer life . . . eliminate tip breakage.

Brass Bound levels have precision-rolled, double-angle, channel grip, screwless binding that cannot come loose. This fits into—and is sealed in twin grooves on level top and sides.



The **COLUMBIAN** line is complete . . . choose from these fine levels!

COLUMBIAN ALUMINUM LEVELS



No. 518A



No. 518 and No. 524-4



No. 524 and No. 528

Special aluminum alloy castings assure maximum accuracy, strength and handling ease. Machined on all sides with edges filed smooth. Vials give accurate readings from either edge. Stationary metallic-sealed vials set in special cement. No need for adjusting. Vials protected on both sides by extra heavy glass lenses.

Level No.	Size In.	No. Plumbs	No. 45° Vials	No. Levels	Wt. Each Lbs.
518A	1 x 2 1/4 x 18	1	1	2	1 1/2
518	1 x 2 1/4 x 18	2	0	2	1 1/2
524-4	1 x 2 1/4 x 24	2	0	2	2
524	1 x 2 1/4 x 24	4	0	2	2
528	1 x 2 1/4 x 28	4	0	2	2 1/2

One in Certified "Levelpack" Shipping Carton.

COLUMBIAN-STEVENSON LINE AND SURFACE LEVEL HEXAGONAL ALUMINUM CASE



Made of hand drawn 3/8 in. hex tubing, 3 in. long. Exceptionally light. For determining foundation grades, laying pipe, brick, hedge trimming, etc. Used by field engineers, masons, cement workers, carpenters, mechanics. Levels from hooks or base. Special hook design prevents level from falling off line. Introduced in 1913 under Stevens tradename, this is most widely used line and surface level.

Level No.	Length In.	Wt. Per Doz., Lbs.
555	3	1/2

One in a box. 12 boxes in display carton.

COLUMBIAN-STEVENSON LINE AND SURFACE LEVEL ROLLED AND STAMPED ALUMINUM CASE



Economy leader in line level field. Made of heavy sheet aluminum, rolled and stamped. For determining foundation grades, laying pipe, brick, hedge trimming, etc. Used by field engineers, masons, cement workers, carpenters, mechanics. Levels from hooks or base. Special hook design prevents level from falling off line.

Level No.	Length In.	Wt. Per Doz., Lbs.
600	3	1/2

12 in a carton.

COLUMBIAN MAGNESIUM LEVELS

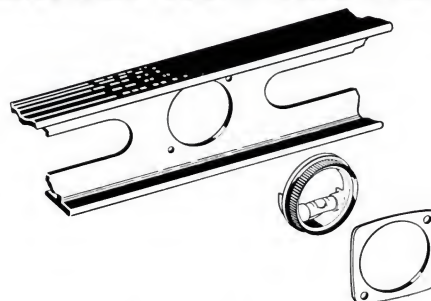


Made of extruded magnesium I-beams. Virtually unbreakable. Will last a lifetime. Unaffected by heat, cold, moisture. Edges and sides absolutely smooth, parallel, 100% true. Extremely lightweight — 1/3 lighter than aluminum. Easier and less fatiguing to carry, handle, use. Replaceable vial units attach to frame with 2 screws for quick, easy adjustment. 24-28-30-48 in. levels have 6 vials. 72-78-96 in. levels have 10 vials.

Level No.	Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
724	1 1/8 x 2 5/8 x 24	4	2	1 3/4
728	1 1/8 x 2 5/8 x 28	4	2	2
730	1 1/8 x 2 5/8 x 30	4	2	2 1/4
748	1 1/8 x 2 5/8 x 48	4	2	3 1/4
772	1 1/8 x 2 5/8 x 72	6	4	5
778	1 1/8 x 2 5/8 x 78	6	4	5 1/4
796	1 1/8 x 2 5/8 x 96	6	4	6 1/2

One in Certified "Levelpack" Shipping Carton.

MAGNESIUM LEVEL VIAL ASSEMBLY



In Columbian Magnesium Levels, a 2-piece vial assembly, consisting of an inner and outer ring, attaches to each side of level. In case of accident, user can adjust or replace a single vial quickly without removing other. Vials are easily adjusted or removed by loosening 2 screws. In ordering, specify Vial Assembly No. 701A.

COLUMBIAN ALUMINUM TORPEDO LEVEL



Die cast. Unusually accurate and shock resistant. 1 plumb, 1 level, 1-45° vial. Top plate made of attractive red shock-proof plastic. Bottom of aluminum body precision-grooved for aligning on pipe or shafting. 9 in. long, 1 1/8 in. high, only 5/8 in. wide at widest point. Perfect for carrying in pocket. Individually packaged in clear plastic sleeves. Shipping carton converts to attractive counter display.

Level No.	Size In.	No. Plumbs	No. 45° Vials	No. Levels	Wt. Per 1/2 Doz., Lbs.
339	5/8 x 1 1/8 x 9	1	1	1	2

6 in a carton.

COLUMBIAN ALUMINUM POCKET LEVEL



Handy for mechanics, machinists, construction and maintenance engineers, inspectors, foremen. Ideal for use on lines, shafting, pipe or any type of building work. Also for leveling stoves, refrigerators, pictures, TV sets, all home appliances. Made of 3/8 in. hard drawn hex colored aluminum tubing, 5 1/4 in. long. Sturdy pencil clip. Attractive display box contains 4 each of red, blue, gold.

Level No.	Length In.	Wt. Per Doz., Lbs.
556	5 1/4	3/4

12 in a carton.

COLUMBIAN CARPENTERS' WOOD LEVELS

SUGAR PINE . . . 4 VIALS



Easy-to-read metallic-sealed vials are protected with heavy glass lenses. Sugar pine is top quality California kiln-dried, finished in clear varnish. In addition to levels listed below, Columbian Carpenters' Wood Levels are also available with 6 vials and in mahogany stock on special order.

Level No.		Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
424	-plain	1 1/8 x 2 3/8 x 24	2	2	1 1/4
428	-plain	1 1/8 x 2 3/8 x 28	2	2	1 1/2
430	-plain	1 1/8 x 2 3/8 x 30	2	2	1 1/2
424BE	-brass end	1 1/8 x 2 3/8 x 24	2	2	1 1/2
428BE	-brass end	1 1/8 x 2 3/8 x 28	2	2	1 1/2
430BE	-brass end	1 1/8 x 2 3/8 x 30	2	2	1 3/4

One in Certified "Levelpack" Shipping Carton.

COLUMBIAN GENERAL PURPOSE TOP READING LEVELS



One metallic-sealed plumb. One level with aluminum plate. Made of kiln-dried California sugar pine finished in bright, distinctive Columbian red. Convenient finger grips and hang hole. For general utility, home workshop and daily job use. Economically priced, they offer the utmost in level value and dependability.

Level No.	Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
2012	1 1/8 x 2 3/8 x 12	1	1	1/2
2018	1 1/8 x 2 3/8 x 18	1	1	3/4
2024	1 1/8 x 2 3/8 x 24	1	1	1
2028	1 1/8 x 2 3/8 x 28	1	1	1 1/4

6 in a carton.

COLUMBIAN GENERAL PURPOSE ENCLOSED VIAL LEVELS



One enclosed metallic-sealed level and one plumb. Made of kiln-dried California sugar pine finished in bright, attractive Columbian red. Convenient finger grips and hang hole. Recommended for every general utility application. Especially suitable for home workshops and "do-it-yourself" kits.

Level No.	Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
218	1 1/8 x 2 3/8 x 18	1	1	1
224	1 1/8 x 2 3/8 x 24	1	1	1 1/4
228	1 1/8 x 2 3/8 x 28	1	1	1 1/2

6 in a carton.

COLUMBIAN LEVEL VIALS



Columbian Metallic-Sealed Vials eliminate the conventional glass drawn tip which is the greatest source of level failure. Metallic-sealing increases level accuracy, permits harder usage for longer periods, simplifies shipping, reduces transit damage. 50 minute sensitivity.

Diameter In.	Length In.	Diameter In.	Length In.
1/4	1 5/16	1 1/32	1 9/16
9/32	1 1/4	1 1/32	1 5/8
2 1/64	1 7/16	1 1/32	2 3/8

12 in a carton.

COLUMBIAN MASONS' WOOD LEVELS



6 vials . . . oval lense . . . open grip . . . brass bound only
No. 5648BB mahogany — No. 4648BB sugar pine



6 vials . . . oval lense . . . plain, brass end or brass bound
No. 3648 mahogany -- No. 2648 sugar pine



6 vials . . . round lense . . . plain, brass end or brass bound
No. 1648 mahogany — No. 648 sugar pine



4 vials . . . round lense . . . plain only
No. 448 — sugar pine only

Easy-to-read metallic-sealed vials are protected with heavy glass lenses. Sugar pine is top quality California kiln-dried, finished in clear varnish. Mahogany is genuine top stock, carefully selected and kiln dried. Brass bound levels have precision-rolled, double-angle, channel grip, screwless binding that cannot come loose, assures maximum accuracy and long life.

Level No.		Size In.	No. Plumbs	No. Levels	Wt. Each Lbs.
5648BB	-brass bound	1 1/8 x 2 3/8 x 48	4	2	4 1/4
4648BB	-brass bound	1 1/8 x 2 3/8 x 48	4	2	3 3/4
3648BB	-brass bound	1 1/8 x 2 3/8 x 48	4	2	4 1/2
3648BE	-brass end	1 1/8 x 2 3/8 x 48	4	2	3 1/2
3648	-plain	1 1/8 x 2 3/8 x 48	4	2	3 1/4
2648BB	-brass bound	1 1/8 x 2 3/8 x 48	4	2	4
2648BE	-brass end	1 1/8 x 2 3/8 x 48	4	2	3 1/4
2648	-plain	1 1/8 x 2 3/8 x 48	4	2	3
1648BB	-brass bound	1 1/8 x 2 3/8 x 48	4	2	4 1/2
1648BE	-brass end	1 1/8 x 2 3/8 x 48	4	2	4
1648	-plain	1 1/8 x 2 3/8 x 48	4	2	3 3/4
648BB	-brass bound	1 1/8 x 2 3/8 x 48	4	2	3 3/4
648BE	-brass end	1 1/8 x 2 3/8 x 48	4	2	3 1/4
648	-plain	1 1/8 x 2 3/8 x 48	4	2	3
448	-plain	1 1/8 x 2 3/8 x 48	2	2	3

One in Certified "Levelpack" Shipping Carton.

COLUMBIAN HARDWOOD TORPEDO LEVELS



No. 309



No. 209

Accurate, handy size, 9" long levels for industrial and home workshop use. Natural finish hardwood. Tapered, streamline shape, pocket size. Aluminum top plate.

Level No.	Size In.	No. Plumbs	No. 45° Vials	No. Levels	Wt. Per Doz., Lbs.
309	3/4 x 1 1/4 x 9	1	1	1	2 1/2
209	3/4 x 1 1/4 x 9	1		1	2 1/4

12 in a carton.